

L-59 EAST GATES AT L-48/C-38 G-34

This structure is a three-barrel culverts located through L-48, about 5.5 miles west of Okeechobee. Control is by a submersible gate mounted on a concrete box inlet structure.

PURPOSE

This structure releases water from the L-59 into C-38. Down stream flap valves prevents back flow from Lake Okeechobee during excessive stages in the lake caused by flood or wind tide.

OPERTION

These gates are open full during hurricane alerts in order to pass the maximum discharge possible.

FLOOD DISCHARGE

Design

Discharge Rate Indeterminate CFS
_____ % of SPF

Headwater Elevation: _____ feet

Tail water Elevation: _____ feet

Type Discharge: control submerged

DESCRIPTION OF STRUCTURE

Type: Culverts

Number of Barrels: 3

Diameter of Barrel: 72 inches

Lengths of Barrel: _____ feet

Flow Line Elevation: _____ feet

Service Bridge Elevation: 22 feet

Water level which will by pass structure: _____ feet

Inlet

Type concrete box

Width 8 feet

Height: 18.00 feet

Sill Elevation: _____ feet

Invert Elevation: 6.0 feet

Control Gate

Number: 3

Type: vertical lift gates

Size: 7.5high X 9'wide

Control: Manual

Lifting Mechanism: hand operated, pedestal mounted lift

Top elevation of gate, full open: 20.00 feet

Top elevation of gate, full closed: 13.50
Maximum gate open: 6.50 feet

ACCESS: From Okeechobee Field Station on SR 70 west to 441 then south to SR 78
Cross Kissimmee River Bridge turn right to L-48 dike then 3.5 miles.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level: Up stream and down stream staff gauge only.

Gate Position Recorded: none

DEWATERING FACILITY:

none